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COW

down time to clean the switch. The unit is also susceptible to being knocked out of adjustment. This can occur if the material traveling on the conveyor gets bunched up or is too thick and hits the roller 106. Additionally, if the thickness of the material is too great, the flag arm 112 may travel past the photoeye, providing an incorrect indication. Also, the switch is easily knock out of adjustment during the removal of stock. Stock is frequently removed from the conveyor for a variety of reasons.

The above amendments are supported by the original specification.

Corrected Copy Showing Amendments

Specification

[003] One method of measuring stock material is the roller switch ~~400~~ illustrated in FIG 4. The roller switch ~~400~~, mounted along the side of a conveyor belt carrying the stock material, has a mounting bracket 102, a sensor bracket 104, a roller 106, and a flag arm 108. The roller 106, which extends only a partial distance across the conveyor, is related to the flag arm 108 and the related roller 106 and arm 108 pivot about a shaft 110. The flag arm 108 is formed of a lightweight material and is spring biased to maintain its position when the switch ~~400~~ is not in operation. The side 112 of the flag arm 108 that is adjacent to a photoeye mounted within the sensor bracket 104 is covered in a reflective tape.

[005] While this roller switch ~~400~~ has been sufficient, it has not proven to be reliable for extended periods of time due to the following problems. The photoeye is triggered by reflective tape; however, the tape can quickly become dirty and thus unreliable, requiring down time to clean the switch. The unit is also susceptible to being knocked out of adjustment. This can occur if the material traveling on the conveyor gets bunched up or is too thick and hits the roller 106. Additionally, if the thickness of the material is too great, the flag arm 112 may travel past the photoeye, providing an incorrect indication. Also, the switch is easily knock out of adjustment during the removal of stock. Stock is frequently removed from the conveyor for a variety of reasons.